

(19)



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(11) Publication number:

0 401 833 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **90110826.6**(51) Int. Cl.⁵: **C08F 8/40**(22) Date of filing: **07.06.90**(30) Priority: **08.06.89 US 363244**(43) Date of publication of application:
12.12.90 Bulletin 90/50(84) Designated Contracting States:
DE FR GB IT(88) Date of deferred publication of the search report:
27.03.91 Bulletin 91/13

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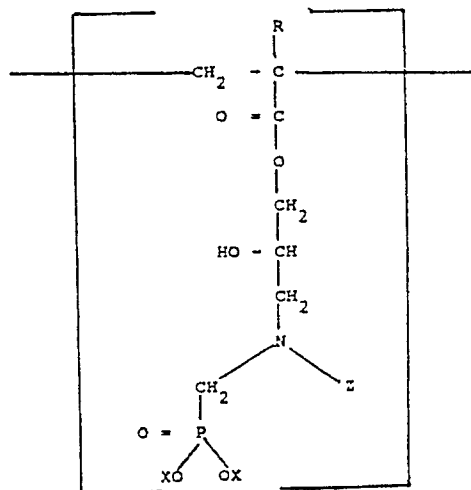
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(54) **Aminophosphonate-Containing Polymers.**

(57) Aminophosphonate-containing polymers of the formula:



wherein

A represents repeating units from one or more ethylenically unsaturated comonomers;**B** is

wherein

R is hydrogen or methyl,

X is hydrogen or an alkali metal,

Z is $\text{CH}_2 - \text{P}(\text{O})(\text{OX})_2$ or $\text{C}_1 - \text{C}_6$ alkyl, aryl, cyclohexyl or alkaryl; andm and n are positive integers, $m/n = 0.01$ to 0.5 .

The novel polymers of the present invention may be

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used as dispersants for concentrated aqueous particulate slurries, and as corrosion inhibitors and scale inhibitors in water treatment.



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EUROPEAN SEARCH REPORT

Application Number

EP 90 11 0826

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,A	US-A-4 707 306 (J.C. LEIGHTON et al.) * Column 1, line 1 - column 5, line 30 *	1-9	C 08 F 8/40
D,A	US-A-3 945 843 (D.W. HOLTY et al.) * Column 1, line 1 - column 2, line 52 *	10,11	
A	CHEMICAL ABSTRACTS, vol. 87, no. 16, 17th October 1977, page 62, abstract no. 118947p, Columbus, Ohio, US; & JP-A-77 50 392 (TAKEDA CHEMICAL INDUSTRIES, LTD) 22-04-1977 * Abstract *	1-7	
A	EP-A-0 238 853 (NALCO CHEMICAL CO.) * Page 2, line 20 - page 4, line 46 *	1-7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 08 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-12-1990	Examiner KAUMANN E.K-H
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		I : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	